

Hisense HVAC Cassette Inverter Specifications Table

Specification		Units	Hisense	Hisense	Hisense	Hisense	Hisense
Indoor model no.		-	AUC-18UR4SSAA2	AUC-24UR4SFGA1	AUC-36UR4S1AGA	AUC-48UX6SPFA	AUC-60UX6SPFA
		-	AUC-18UR4SAA2	AUC-24UR4S1GA	AUC-36UR4SGA	AUC-48UX4SFA	AUC-60UX4SFA
Outdoor model no.		-	AUW-18U4SS	AUW-24U4SF1	AUW-36U4S1A	AUW-48U6SP	AUW-60U6SP
Power supply (Indoor)		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Power supply (Outdoor)		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	380-415-3-50	380-415-3-50
Max. input consumption		W	2060	2800	5500	5920	9100
Max. input current		A	11,7	12,7	24,0	11,7	16,4
Cooling	Capacity	W	5200(1990 ~ 5570)	7200(2700~7850)	9800(3200~10000)	12600(5500-13500)	17000(6200-18000)
	Input	W	1680	2240	3450	3720	5095
	Current	A	7,50	10,20	15,0	6,50	9,8
	EER	W/W	3,10	3,21	2,85	3,39	3,34
Heating	Capacity	W	6200(1690~6550)	8500(2770~9000)	11200(2900~12000)	15000(4000-18000)	20000(5600-21000)
	Input	W	1820	2350	3100	3950	5450
	Current	A	8,2	10,7	13,0	7	10,3
	COP	W/W	3,41	3,61	3,65	3,8	3,67
Indoor fan motor	Model		YDK95-28-4-B(HS21)	YDK30-8-3	EHDS50AQH	SIC-72FW-D8124-2B	SIC-72FW-D8124-2B
	Qty		1	1	1	1	1
	Output	W	28	88	80	142	142
	Capacitor	uF	2	3	/	NA	NA
	Speed(Hi/Med/Lo)	r/min	980/840/720	450/390/270	630/520/460	630/520/460	630/520/460
Indoor coil	Number of rows		2	2	3	3	3
	Tube pitch(a)*row pitch(b)	mm	21x13.6	21x13.6	21x13.6	21x13.6	21x13.6
	Fin spacing	mm	1,5	1,5	1,5	1,5	1,5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7, innergroove tube	Φ7, innergroove tube	Φ7.0, innergroove tube	Φ7.0, innergroove tube
	Coil length * height * width	mm	1248x210x27.2	1870x189x27.2	1930x189x40.8	1940x252x40.8	1940x252x40.8
	Number of circuits		3	4	5	6	6
Indoor air flow Rated(Hi/Med/Lo)		m³/h	850/730/630	1100/950/800	1800/1420/1210	2000/1800/1500	2000/1800/1500
Indoor air flow Rated(CFM)			500/429/370	647/558/470	1058/835/711	1175/1060/880	1175/1060/880
ESP	Rated	Pa	NA	NA	NA	NA	NA
	Range	Pa	NA	NA	NA	NA	NA
Indoor noise level (Hi/Med/Lo)		dB(A)	47/44/41	43/38/29	53/50/45	50/47/44	50/47/44
Throttle type			NA	NA	NA	NA	NA
Indoor unit	Dimension (WxHxD)	mm	650x270x570	840x248x840	840x248x840	840x298x840	840x298x840
	Packing(WxHxD)	mm	770x310x750	996x370x956	996x370x956	996x420x956	996x420x956
	Net/Gross weight	kg	21 /25.5	28/37	30/39	29/38	29/38
Panel	Dimension (WxHxD)	mm	650x30x650	950x37x950	950x37x950	950x37x950	950x37x950
	Packing(WxHxD)	mm	730x130x730	1025x120x1015	1025x120x1015	1025x120x1015	1025x120x1015
	Net/Gross weight	kg	2.4/ 5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
Design pressure (H/L)		MPa	4.15/1.6	4.15/1.6	4.15/1.6	4.15/1.6	4.15/1.6
Drainage water pipe diameter		mm	dΦ21	dΦ32	dΦ32	dΦ32	dΦ32
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.88(3/8"/5/8")	Φ9.52/Φ15.88(3/8"/5/8")	Φ9.52/Φ19.05(3/8"/3/4")	Φ9.52/Φ19.05(3/8"/3/4")
Controller			remote controller	remote controller	remote controller	remote controller	remote controller
Operation temperature		°C	16~30	16~30	16~30	16~30	16~30
Room temperature	Cooling	°C	16~30	16~30	16~30	16~30	16~30
	Heating	°C	16~30	16~30	16~30	16~30	16~30
Qty'per 20' /40' /40'HQ		Indoor	147/315/384	72/144/168	72/144/168	60/120/144	60/120/144
Compressor	Model		ATN150D42UFZ	ATF235D43UMT	ATL253UDPC9AUL	TNB306FPNMC	LN42FSAMC
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	HITACHI	MITSUBISHI	MITSUBISHI
	Capacity	Btu/h	15235	24361	24 435	33710	47699
	Input	W	1130	1940	2 240	3010	4270

	Rated current(RLA)	A	7,8	8,9	9,4	9,3	12
	Refrigerant oil	ml	ESTEL OIL VG74/450	POE(VG74)/670	HAF68D1C/630	PVE/870	FV50S or PVE/1400
Outdoor fan motor	Model		SIC-52FV-F130-3	SIC-61FW-F161-1	SIC-71FW-D8121-1	YDK65-6-9061&YDK65-6-9024	YDK65-6-9061&YDK65-6-9024
	Old Model		NA	NA	NA	NA	NA
	Qty		1	1	1	2	2
	Output	W	41	61	121	65/65	65/65
	Capacitor	μF	NA	NA	NA	4	4
	Speed	r/min	880	880	830	700/700	700/700
Outdoor coil	Number of rows		2	2	2	2	2
	Tube pitch(a)* row pitch(b)	mm	21x18.19	21x18.19	21x18.19	21x18.19	21x18.19
	Fin spacing	mm	1,5	1,4	1,4	1,5	1,5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7.94innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
	Coil length * height * width	mm	840x546x36.38	900×43.3×630	970x798x36.38	970×1344×36.38	970×1344×36.38
Number of circuits			4	4	5	6	6
Outdoor noise level (sound pressure)		dB(A)	50	56	60	60	62
Throttle type			EEV	EEV	EEV	EEV	EEV
Outdoor unit	Dimension(WxDxH)	mm	810×584×281	860×670×310	950×840×340	950x1386x340	950x1386x340
	Packing(WxDxH)	mm	940×420×640	990×450×730	1110×980×460	1110x1527x460	1110x1527x460
	Net/Gross weight	kg	36/40	51/57	70/74	101/107	108/112
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1,24	1,70	2,10	3,00	3,50
Design pressure (H/L)		MPa	4.15/1.6	4.15/1.6	4.15/1.6	4.15/1.6	4.15/1.6
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4'/1/2')	Φ9.52/Φ15.88(3/8'/5/8')	Φ9.52/Φ15.88(3/8'/5/8')	Φ9.52/Φ19.05(3/8'/3/4')	Φ9.52/Φ19.05(3/8'/3/4')
	Max. pipe length	m	30	30	30	50	50
	Max. difference in level	m	15	15	15	30	30
Ambient temperature	Cooling	℃	-15 - 48	-15 - 48	-15 - 48	-15 - 48	-15 - 48
	Heating	℃	-10 - 24	-10 - 24	-10 - 24	-10 - 24	-10 - 24
Qty'per 20' /40' /40'HQ		Outdoor unit	102/204/272	90/186/186	52/106/106	26/53/53	26/53/53
Qty'per 20' /40' /40'HQ		Indoor+Outdoor	62/130/158	40/78/88	30/60/72	24/47/47	24/47/47